INTERNATIONAL SEARCH REPORT



International Application No

| | | | 1/US2004 | 4/021885 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------|-----------------------|--|
| A. CLASSI IPC 7 | FICATION OF SUBJECT MATTER H04B1/40 | | | | |
| A coording to | International Debart Clearification (IDC) and the Invalidation in | | | | |
| | o international Patent Classification (IPC) or to both national classi SEARCHED | fication and IPC | | | |
| | ocumentation searched (classification system followed by classific | ation symbols) | | | |
| IPC 7 | H04B G01S | | | | |
| Documentat | lon searched other than minimum documentation to the extent tha | t such documents are incli | uded in the fields sea | arched | |
| Floring 1 3 | | · · · · · · · · · · · · · · · · · · · | | | |
| | ata base consulted during the International search (name of data i | case and, where practical | , search terms used) | | |
| FLO-TU | ternal, WPI Data | | | | |
| | | | | | |
| | NTS CONSIDERED TO BE RELEVANT | | | | |
| Category • | Citation of document, with indication, where appropriate, of the r | elevant passages | | Relevant to claim No. | |
| X | US 2002/118784 A1 (STEER DAVID G 29 August 2002 (2002-08-29) | ET AL) | · | 1,5,34, 43 | |
| A | • | | • | 43 10-17 | |
| Y | column 1, paragraph 1 | | | 2,39,44 | |
| | column 5, paragraph 45 figure 1 | | | | |
| | figure 5 | | ļ | , | |
| χ. | US 6 112 141 A (PRIECE MICHEL C | т ак \ | | | |
| ^ | US 6 112 141 A (BRIFFE MICHEL E 29 August 2000 (2000-08-29) | T AL) | | 1,34,43 | |
| Α - | figure 2 | | İ | 3,4,40, | |
| | column 5, line 66 - column 6, li | ne 13 | | 42,45 | |
| 1 | | | | | |
| | | -/ | ĺ | | |
| - 1 | | | | | |
| | | | | | |
| l | | | | | |
| | | | | | |
| | or documents are listed in the continuation of box C. | X Patent family me | embers are listed in a | innex. | |
| • | gories of cited documents : | *T* later document public | shed after the interna | ational filing date | |
| conside | t defining the general state of the art which is not red to be of particular relevance | not in conflict with the the principle or theory | y underlying the | | |
| nung dar | | ar relevance; the claim ed novel or cannot be | med invention | | |
| WINCH IS | which may throw doubts on priority claim(s) or cited to establish the publication date of another | minoine gu mheuthe | step when the docum | nent is taken alone | |
| citation or other special reason (as specified) Of document referring to an oral disclosure, use, exhibition or document is combined with one or re- | | | | tive step when the | |
| other means ments, such combination being obvious in the art. | | | | o a person skilled | |
| later that | h the priority date claimed | "&" document member of | f the same patent fam | nily | |
| vate of the ac | tual completion of the international search | Date of mailing of the | international search | report | |
| 30 | November 2004 | 10/12/2004 | | | |
| Varne and ma | iling address of the ISA | Authorized officer | | | |
| | European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk | | | | |
| • | Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Avilés M | artinez, L | | |

INTERNATIONAL SEARCH REPORT

International Application No T/US2004/021885

| US 2003/072320 A1 (LEE YOUNG-KON ET AL) | Relevant to claim No. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US 2003/072320 A1 (LEE YOUNG-KON ET AL) | |
| 17 April 2003 (2003-04-17) page 4, paragraph 44 figure 2 figure 3 | 1,5-8, 18,34,43 |
| EP 1 168 646 A (TRW INC) 2 January 2002 (2002-01-02) page 1, paragraph 3 figures 1,6 | 1,34,43 |
| WO 02/25304 A (PARTHUS UK LTD; PRATT ANTHONY R (GB)) 28 March 2002 (2002-03-28) | 29,34,43 |
| figure 1 | 9,24,32, 37 |
| US 5 909 193 A (DIRNDORFER WALTER M ET AL) 1 June 1999 (1999-06-01) | 1,34,43 |
| column 2, line 10 - line 12 | 11-17, 19,26, 27,38 |
| column 2, line 47 - line 67 EP 1 168 637 A (TRW INC) 2 January 2002 (2002-01-02) paragraph '0001! figure 1 claim 1 | 1,34,43 |
| US 5 771 396 A (ARNOLD BRIAN K) 23 June 1998 (1998-06-23) column 2, line 16 - line 22 column 2, line 63 - line 65 | 2,39,44 |
| US 6 069 583 A (WALSH DAVID ET AL) 30 May 2000 (2000-05-30) column 8, line 4 - line 10 figure 5 | 10,25 |
| US 5 317 323 A (HOOPER ROBERT W ET AL) 31 May 1994 (1994-05-31) column 2, line 65 - column 3, line 5 figure 5 | 1,29,34, 43 |
| US 5 936 571 A (DESJARDINS GERARD A) 10 August 1999 (1999-08-10) column 1, line 12 - line 16 column 3, line 27 - line 34 column 6, line 51 - line 65 figures 2,4 | 1,29,34, 43 |
| | |
| | EP 1 168 646 A (TRW INC) 2 January 2002 (2002-01-02) page 1, paragraph 3 figures 1,6 W0 02/25304 A (PARTHUS UK LTD; PRATT ANTHONY R (GB)) 28 March 2002 (2002-03-28) page 5, line 6 - line 15 figure 1 US 5 909 193 A (DIRNDORFER WALTER M ET AL) 1 June 1999 (1999-06-01) column 1, line 25 - line 35 column 2, line 10 - line 12 column 2, line 47 - line 67 EP 1 168 637 A (TRW INC) 2 January 2002 (2002-01-02) paragraph '0001! figure 1 claim 1 US 5 771 396 A (ARNOLD BRIAN K) 23 June 1998 (1998-06-23) column 2, line 63 - line 65 US 6 069 583 A (WALSH DAVID ET AL) 30 May 2000 (2000-05-30) column 8, line 4 - line 10 figure 5 US 5 317 323 A (HOOPER ROBERT W ET AL) 31 May 1994 (1994-05-31) column 2, line 65 - column 3, line 5 figure 5 US 5 936 571 A (DESJARDINS GERARD A) 10 August 1999 (1999-08-10) column 1, line 12 - line 16 column 3, line 27 - line 34 column 6, line 51 - line 65 |

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No T/US2004/021885

| | | Publication date | Patent family member(s) | | | Publication date | |
|--------------|-------|---------------------|----------------------------------------|-------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------|--|
| US 200211878 | 84 A1 | 29-08-2002 | NONE | | | | |
| US 6112141 | Α | 29-08-2000 | NONE | | | هو چيون ويدو مادي خياله حيوا خياله سال القان ساله الآثال سال القيال دياره ج ^{يدو} | |
| US 200307232 | 20 A1 | 17-04-2003 | KR | 2003031303 | Α | 21-04-2003 | |
| EP 1168646 | А | 02-01-2002 | US EP JP | 6760342 1168646 2002057593 | A2 | 06-07-2004 02-01-2002 22-02-2002 | |
| WO 0225304 | A | 28-03-2002 | GB AU WO US | 2367199 9006901 0225304 2002033766 | | 27-03-2002 02-04-2002 28-03-2002 21-03-2002 | |
| US 5909193 | A | 01-06-1999 | AU WO | 6967096 9708829 | | 19-03-1997 06-03-1997 | |
| EP 1168637 | А | 02-01-2002 | US EP JP | 6804308 1168637 2002057594 | A2 | 12-10-2004 02-01-2002 22-02-2002 | |
| US 5771396 | A | 23-06-1998 | DE DE DE DE EP EP JP | 69431332 69431332 69432613 69432613 1152343 0641139 7058881 | T2 D1 T2 A1 A2 | 17-10-2002 02-01-2003 05-06-2003 25-03-2004 07-11-2001 01-03-1995 03-03-1995 | |
| US 6069583 | Α | 30-05-2000 | NONE | | | * — — — — — — — — — — — — — — — — — — — | |
| US 5317323 | А | 31-05-1994 | NONE | | | نمو يون ويوسيو وجو بسي نبيه الله الله الله الله الله الله الله ال | |
| US 5936571 | Α | 10-08-1999 | NONE | | | | |